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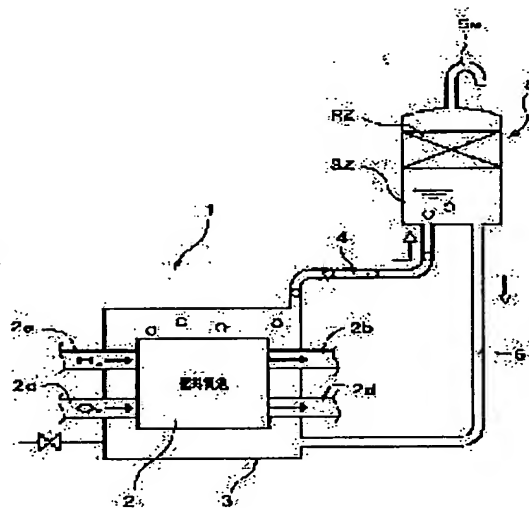
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## (54) FUEL CELL SYSTEM

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a fuel cell system, requiring no ventilation of hydrogen with an electric fan, and easily preventing liquid junction.

**SOLUTION:** This fuel cell system conducts power generation, by supplying fuel gas containing hydrogen and oxidizing gas to a fuel cell and reacting them, and is equipped with a stack case 3 for housing the fuel cell 2; a gas exhaust pipe 4 for collecting the gas leaked to a cooling liquid, when the cooling liquid is filled in the stack case 3 and exhausting the gas; a catalytic combustor 5 connector to the upper end part of the gas exhaust pipe 4 and catalytic-burning the gas separated from the cooling liquid within the gas exhaust pipe 4; and a liquid return pipe 6, connected to the catalytic combustor 5 and returning a liquid produced in the catalytic combustor 5 and the cooling liquid, to the stack case 3.



## LEGAL STATUS

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